

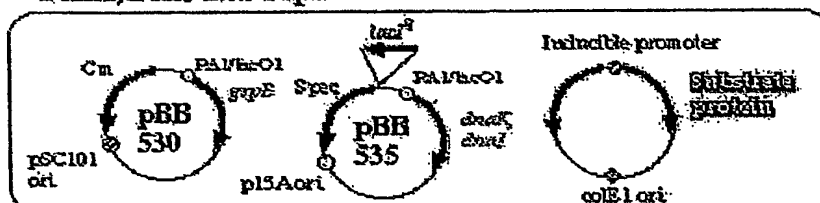
10/500883

FIG. 1(A)

Chaperone combinations

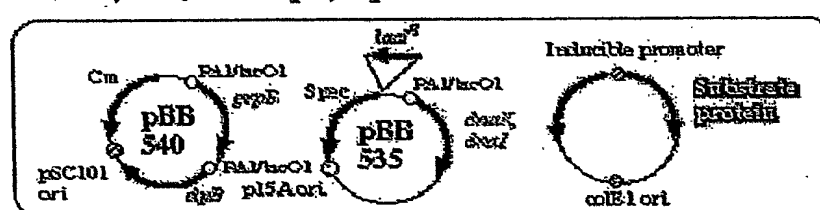
1

DnaK, DnaJ and GrpE



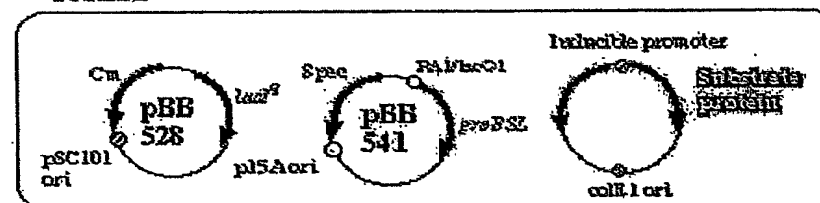
2

DnaK, DnaJ and GrpE, ClpB



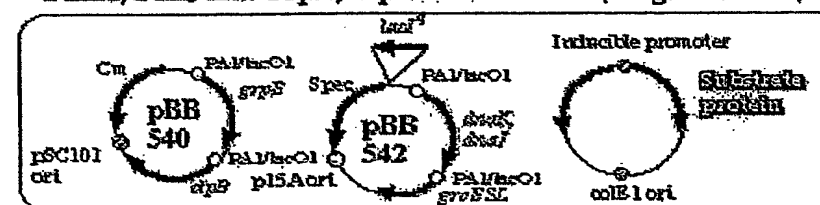
3

GroESL



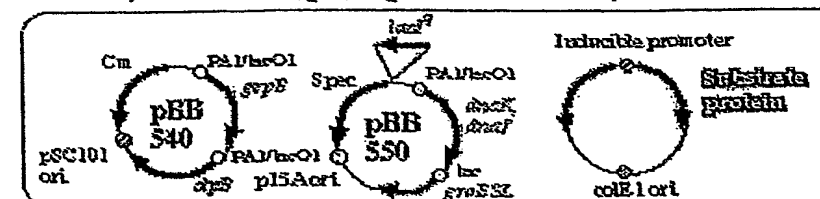
4

DnaK, DnaJ and GrpE, ClpB and GroESL (Large amounts)



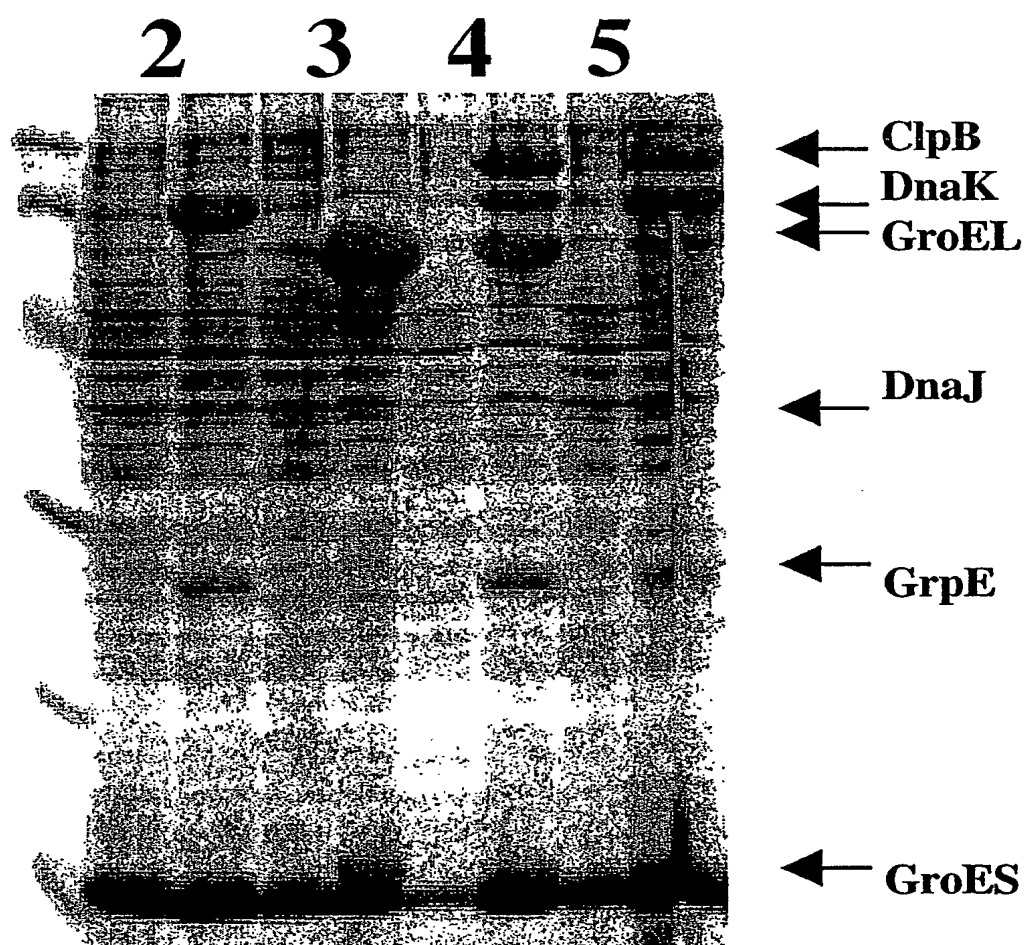
5

DnaK, DnaJ and GrpE, ClpB and GroESL (Small amounts)



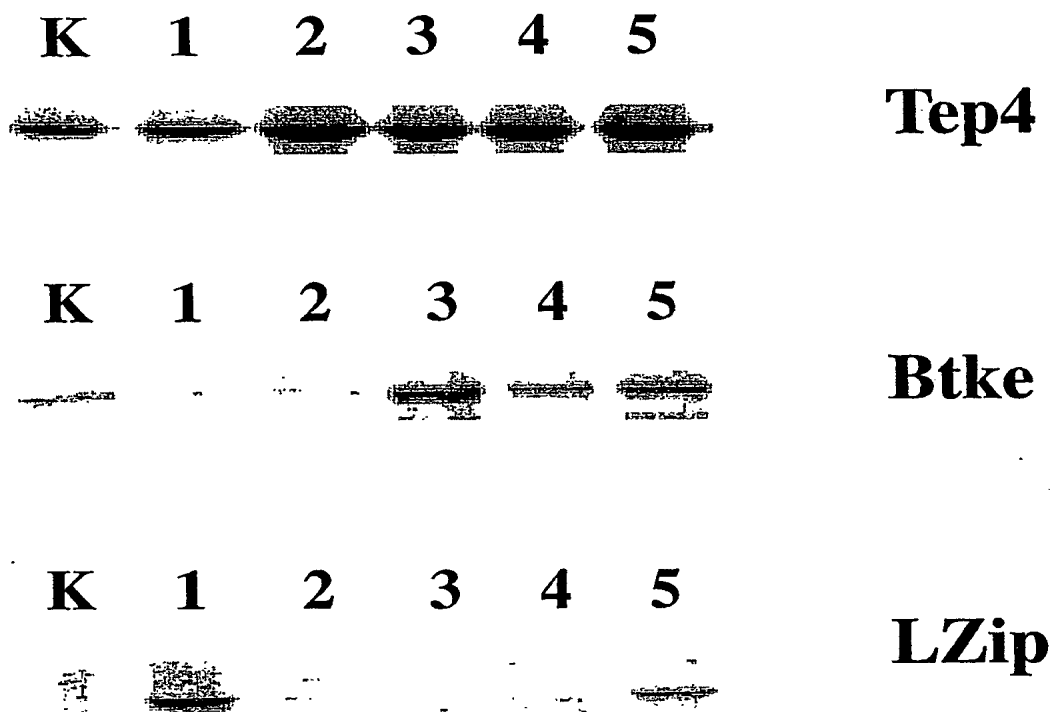
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FIG. 1(B)



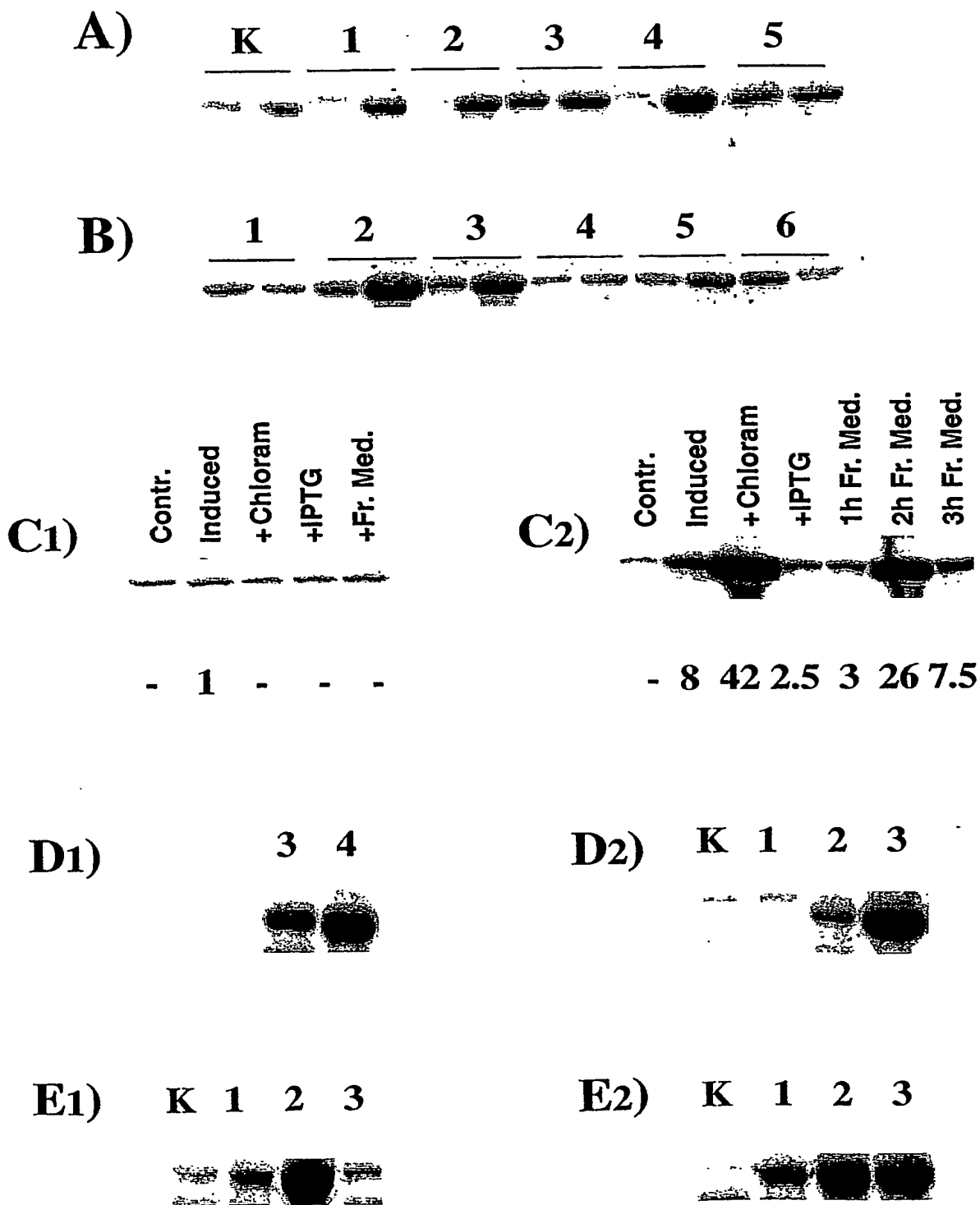
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FIG. 2

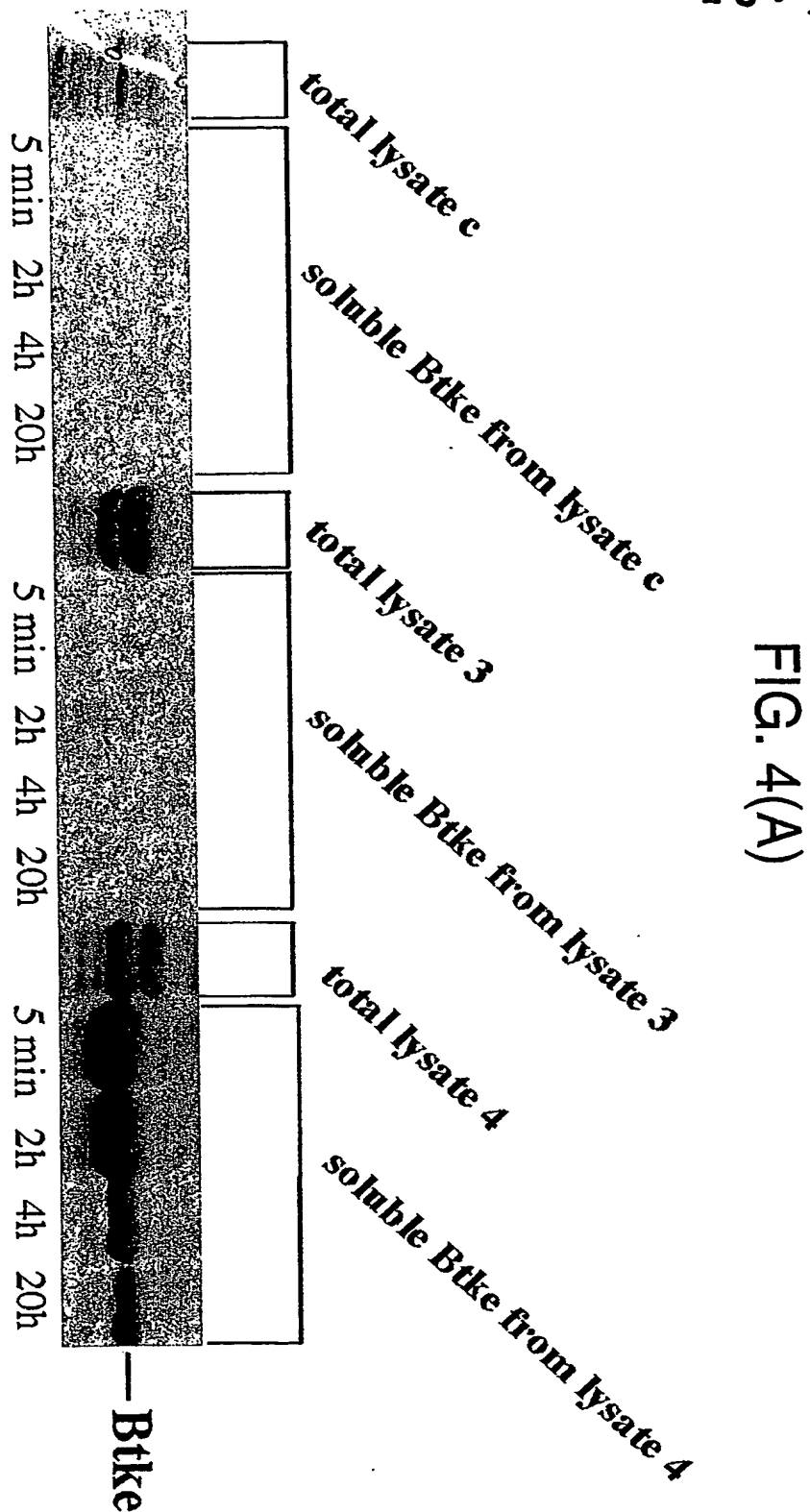


10/500883

FIG. 3



10/500883



10/500883

FIG. 4(B)

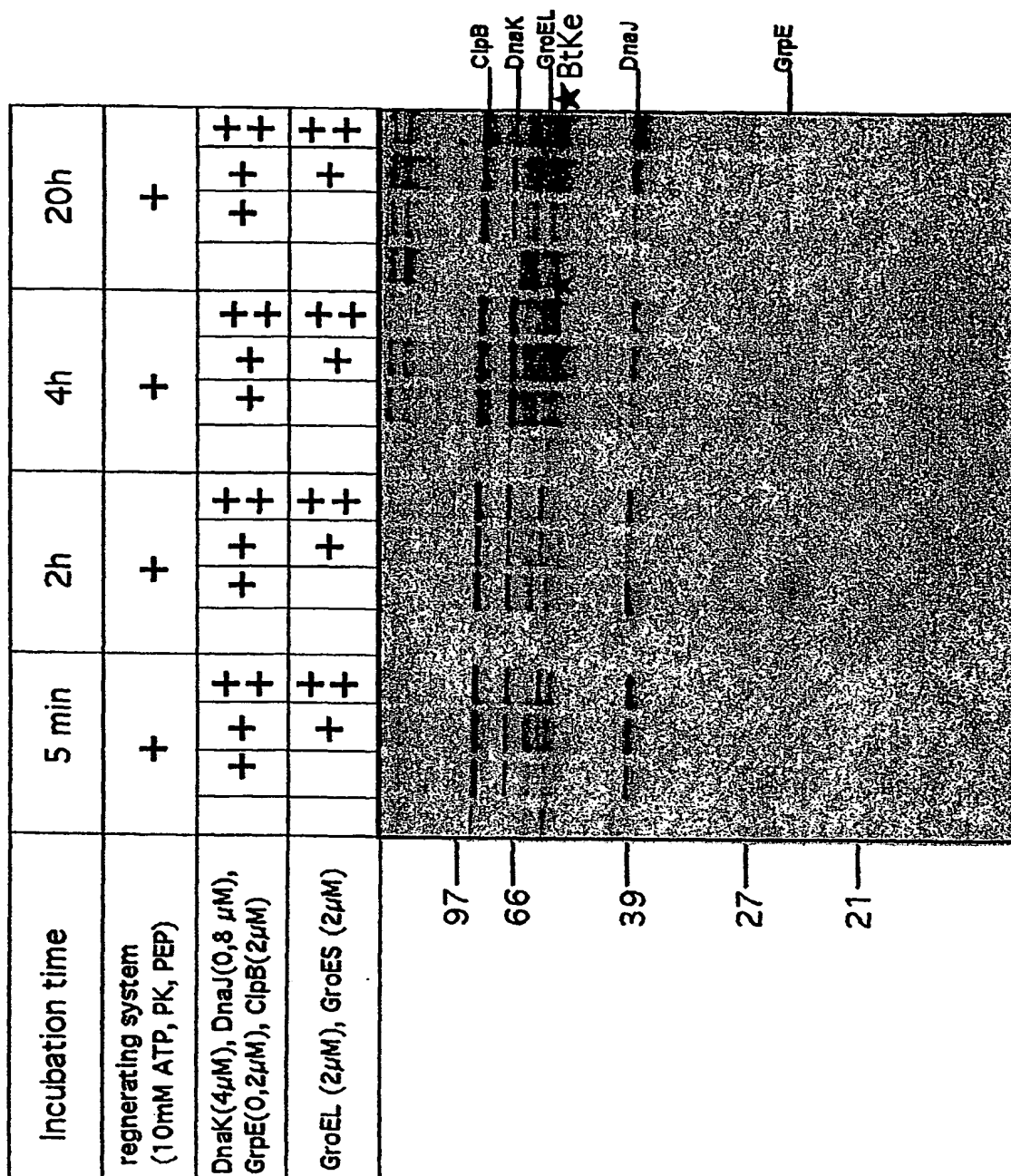


FIG. 5

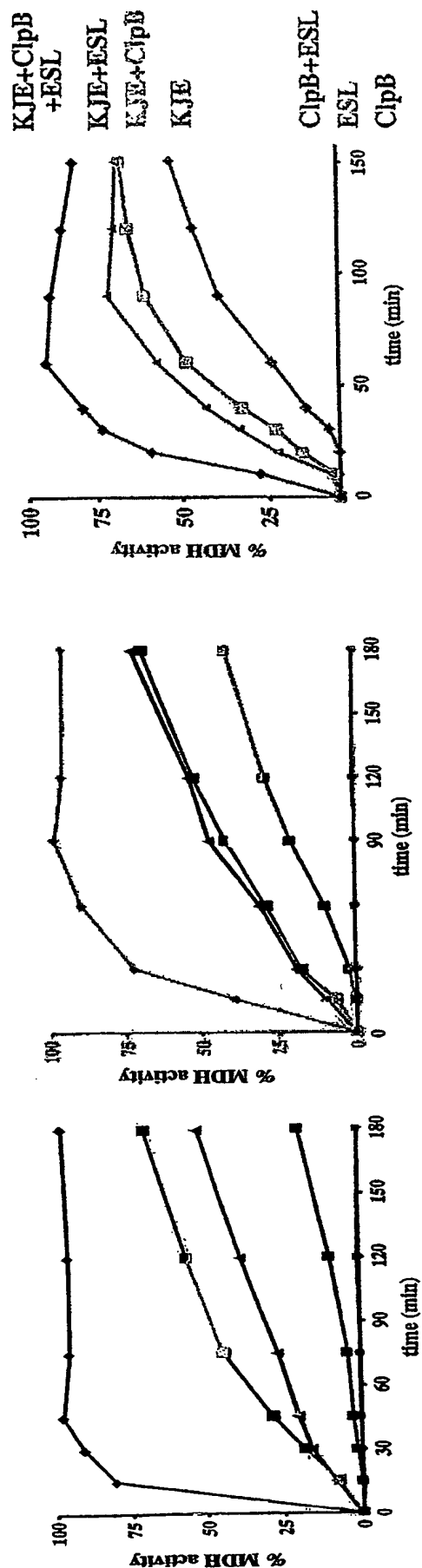
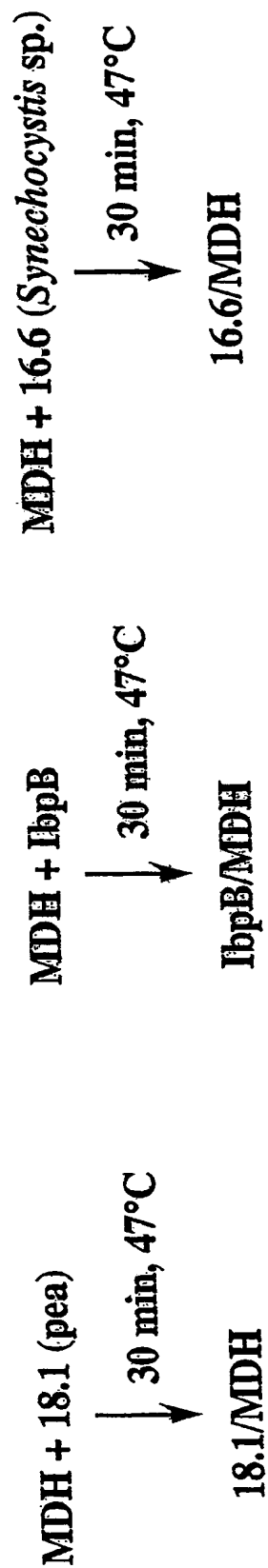
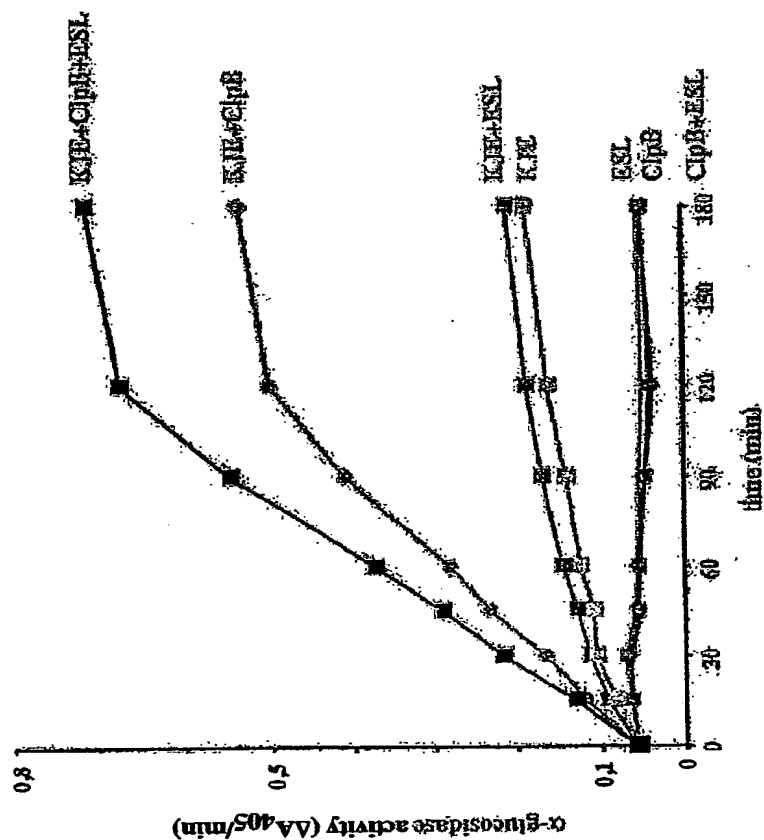
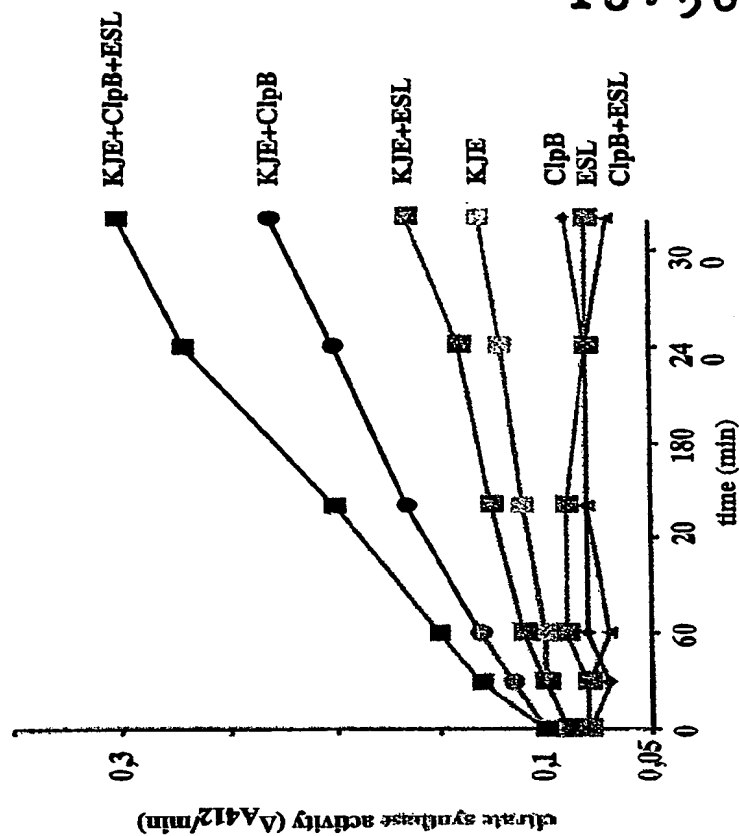


FIG. 6

16.6/ α -glucosidase complexes

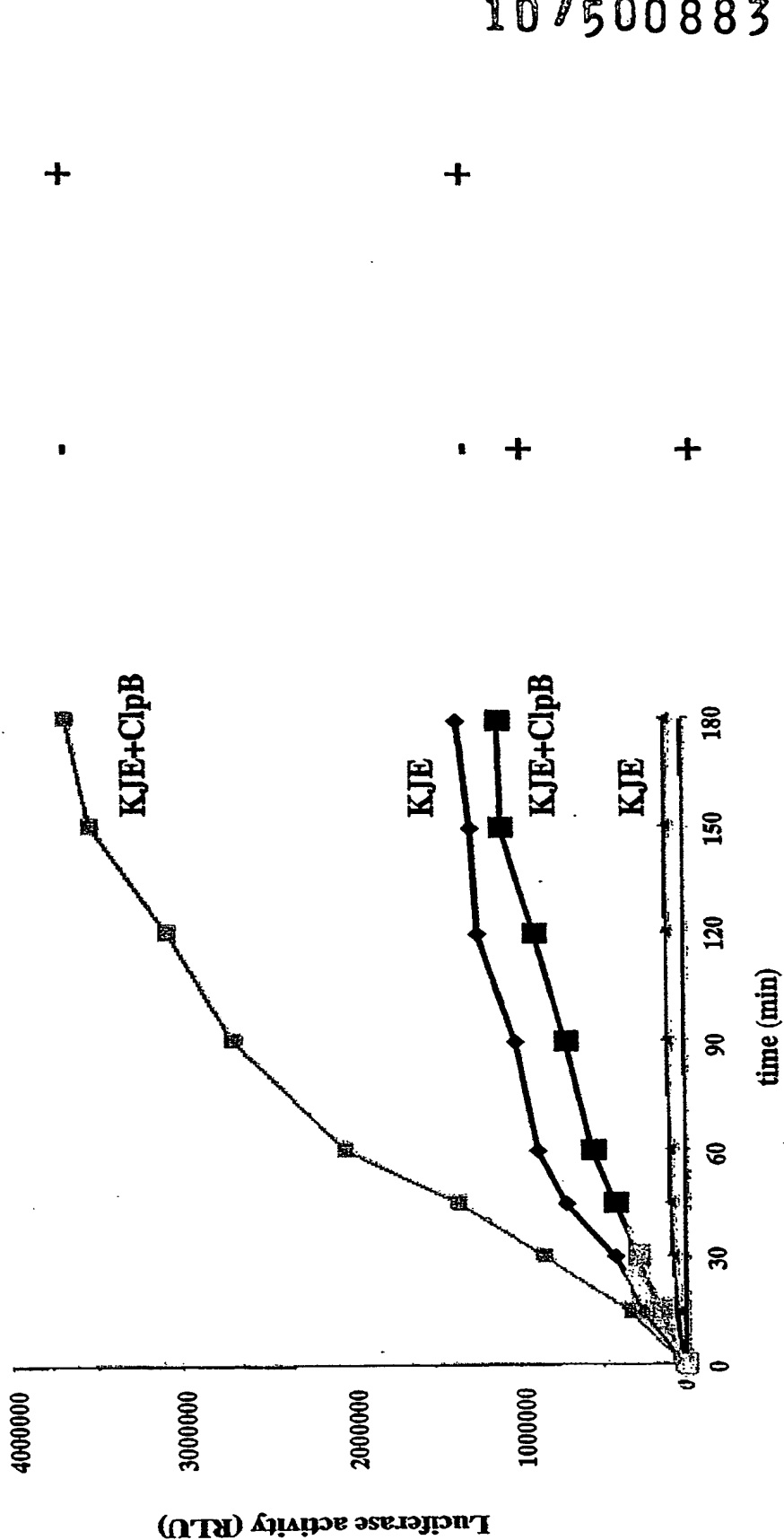


16.6/citrate synthase complexes



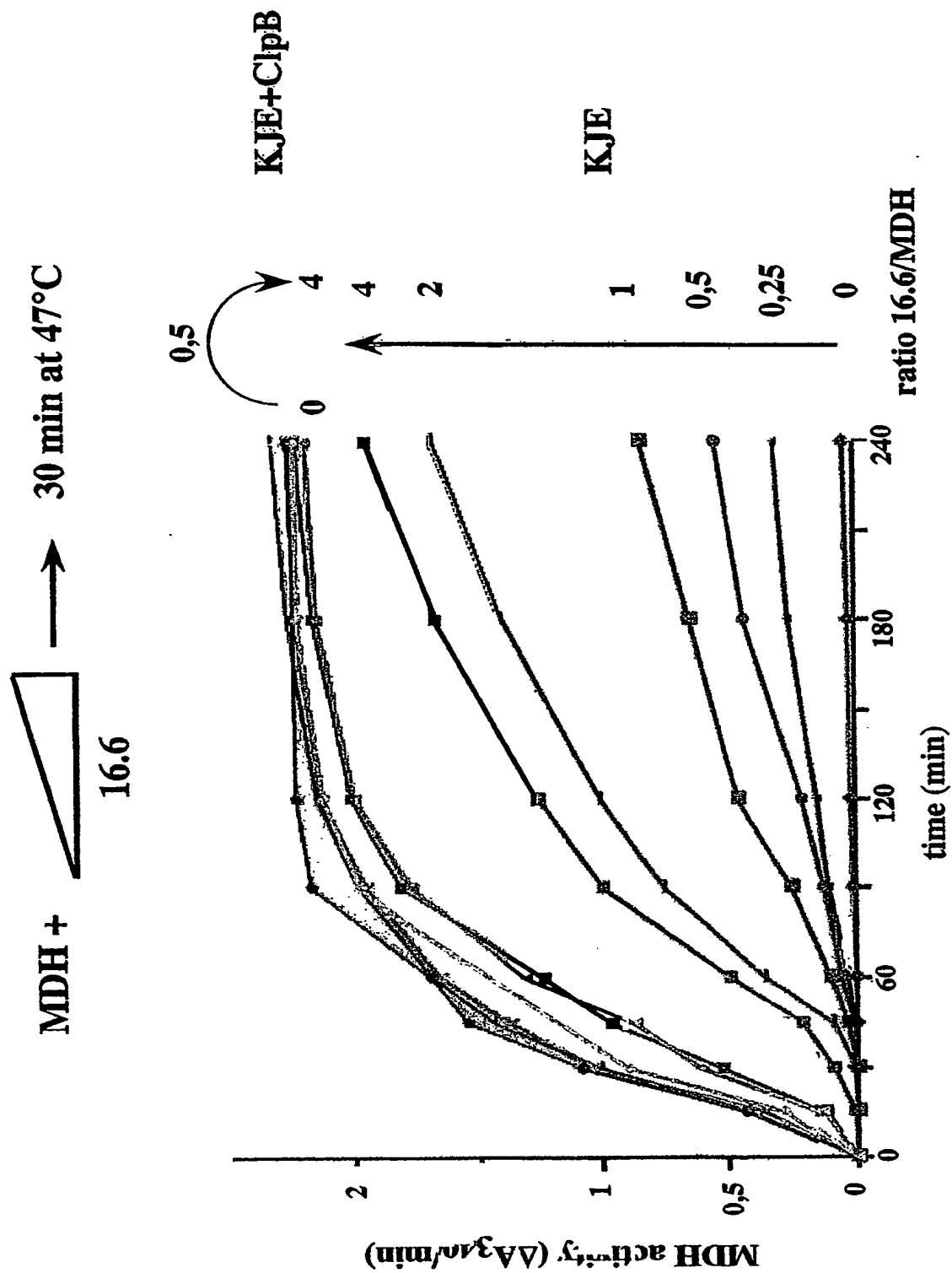
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FIG. 7
Luciferase +/- 16.6 (sHsp), 15 min at 43°C



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FIG. 8



10/500883

FIG. 9

MDH +  16.6
 30 min at 47°C

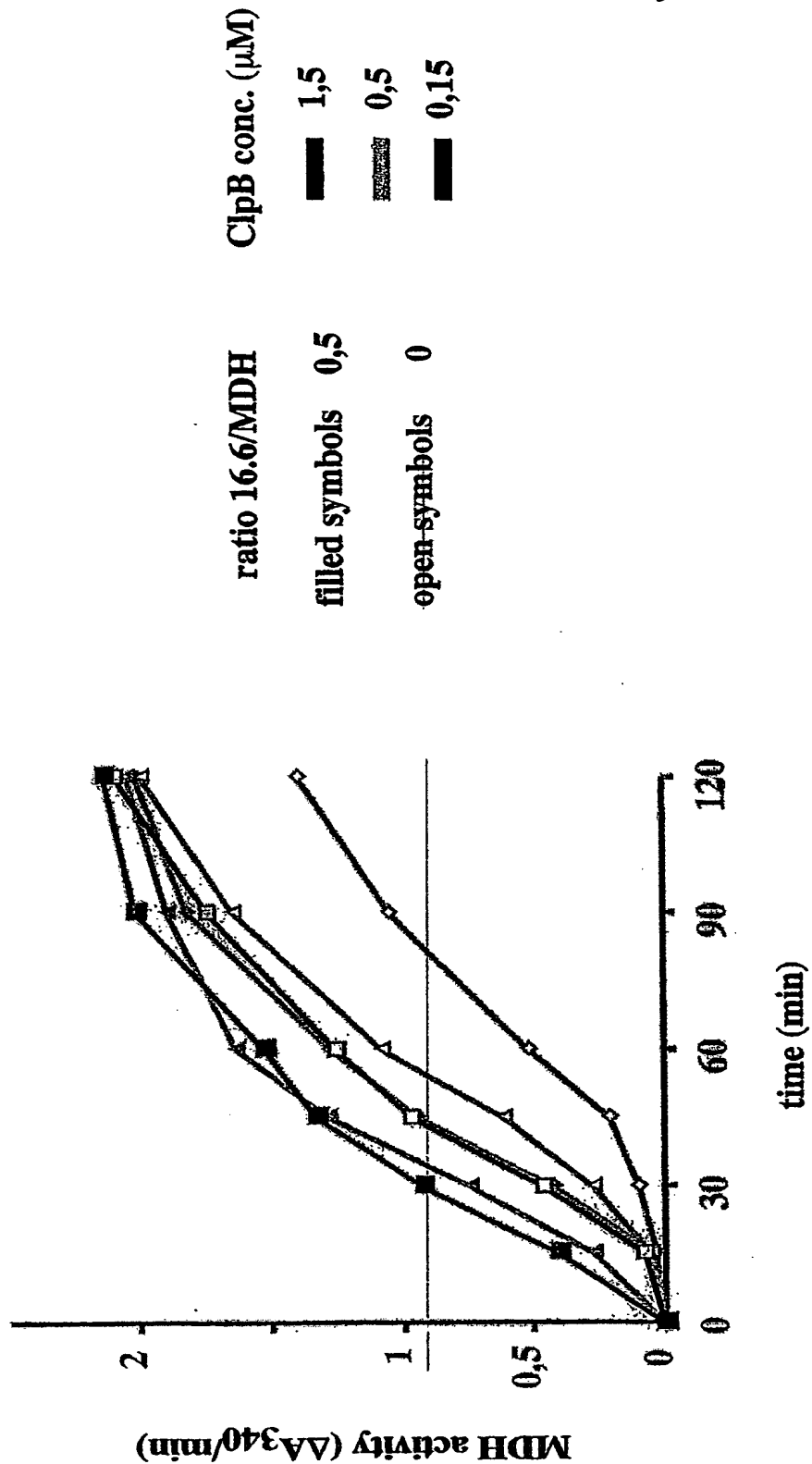
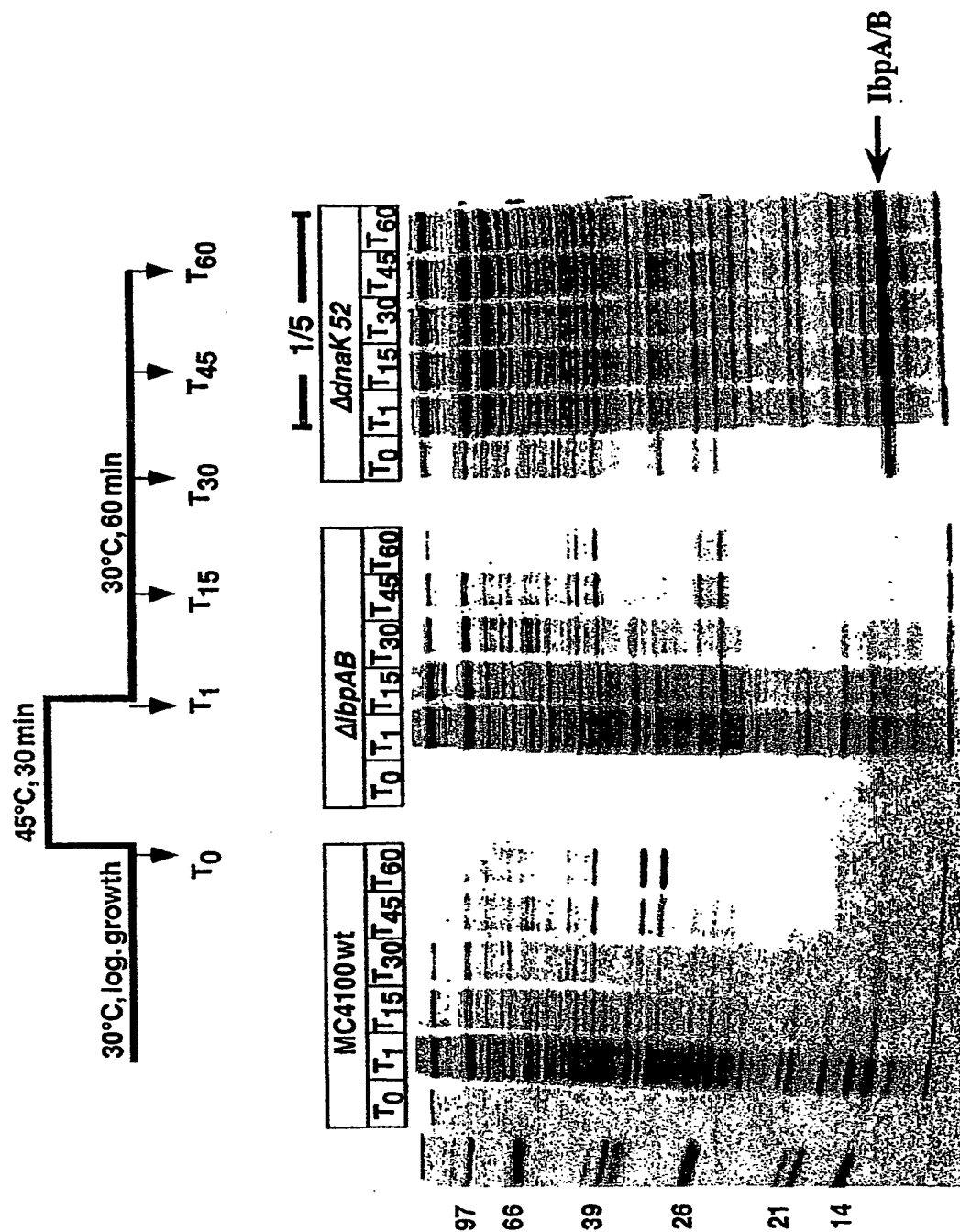


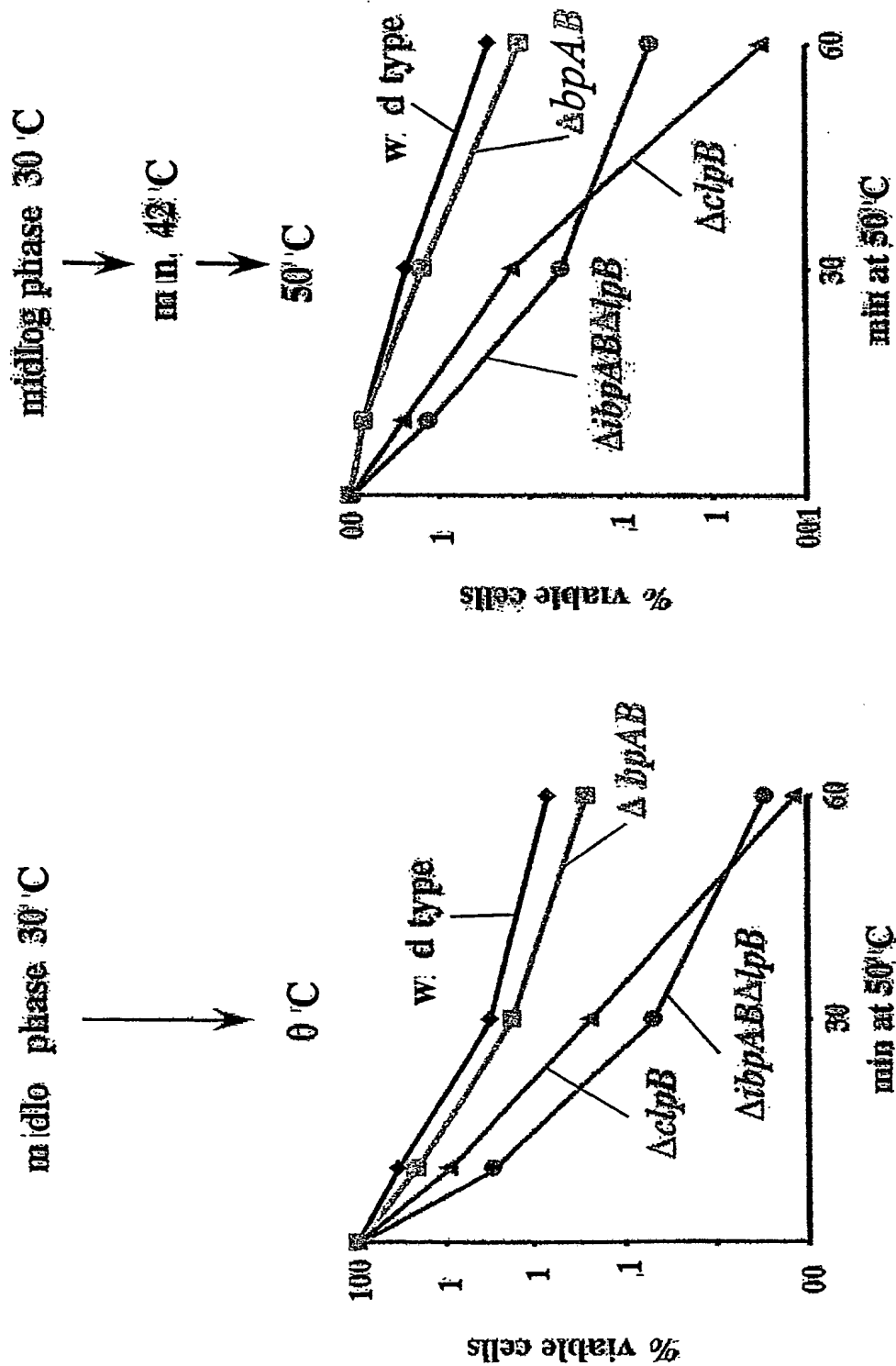
FIG. 10



10/500883

FIG. 11

Thermotolerance is reduced in $\Delta bpaB$ and impaired $\Delta clpB$ mutant cell



10/500883

FIG. 12

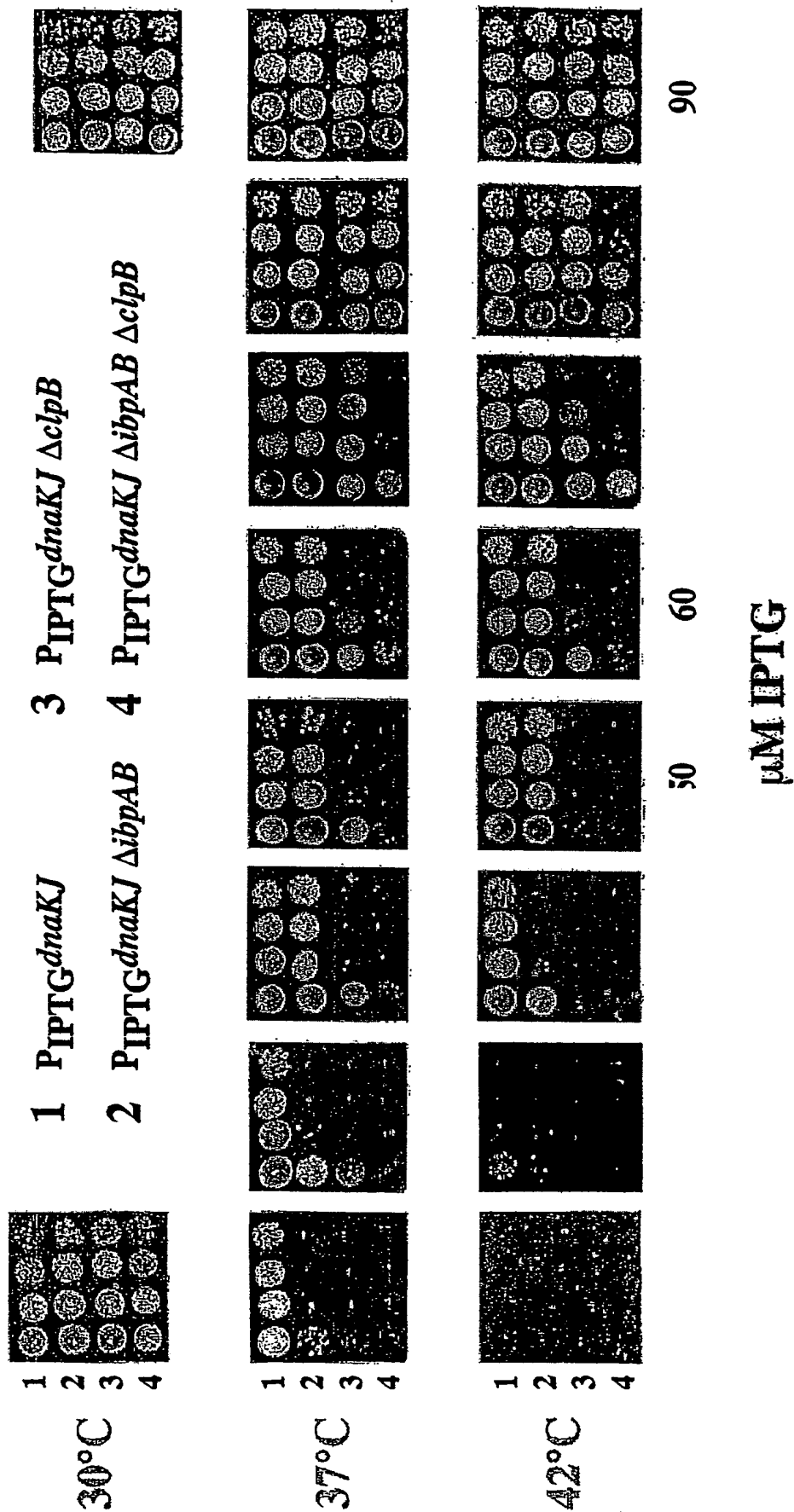


FIG. 13

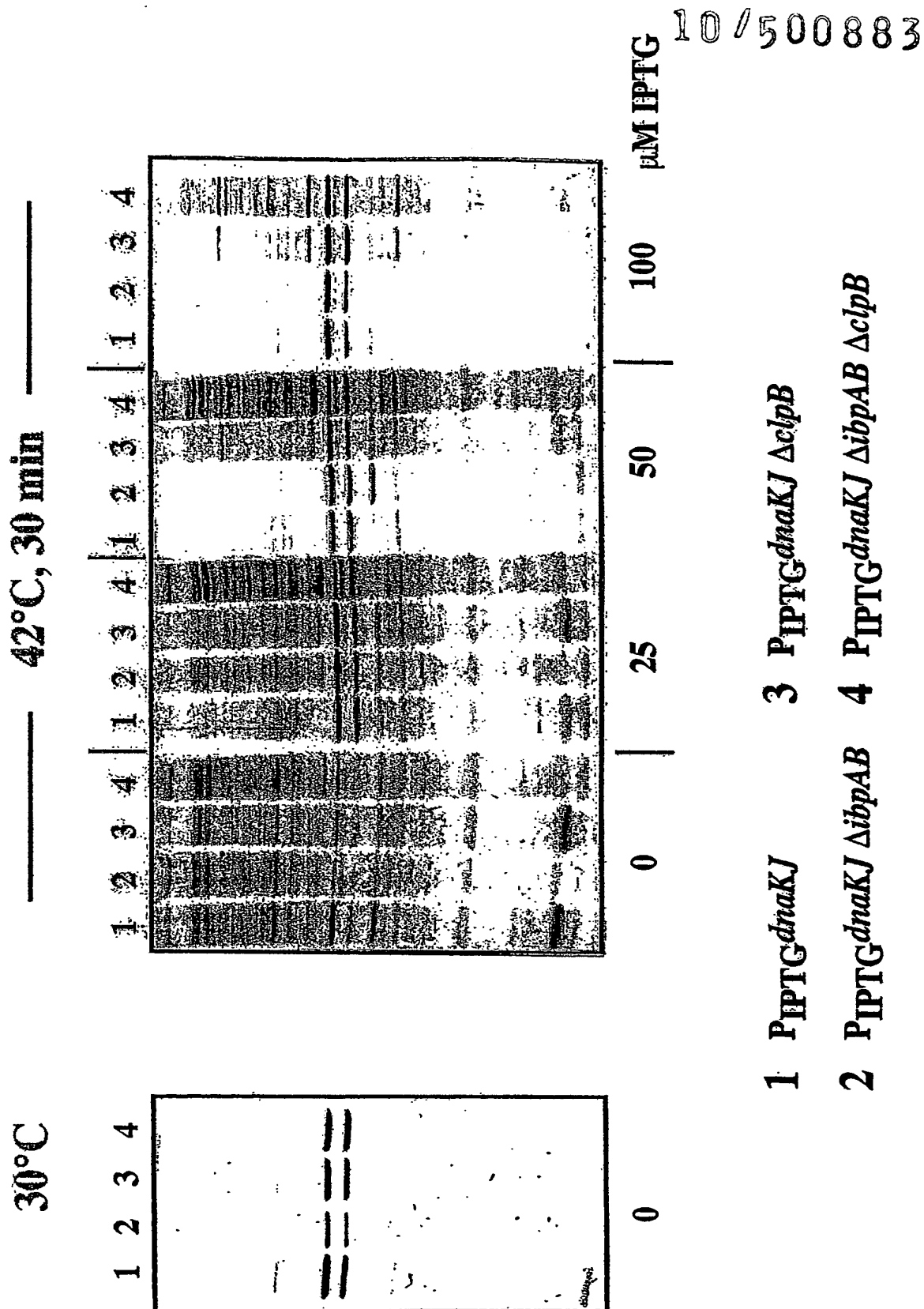
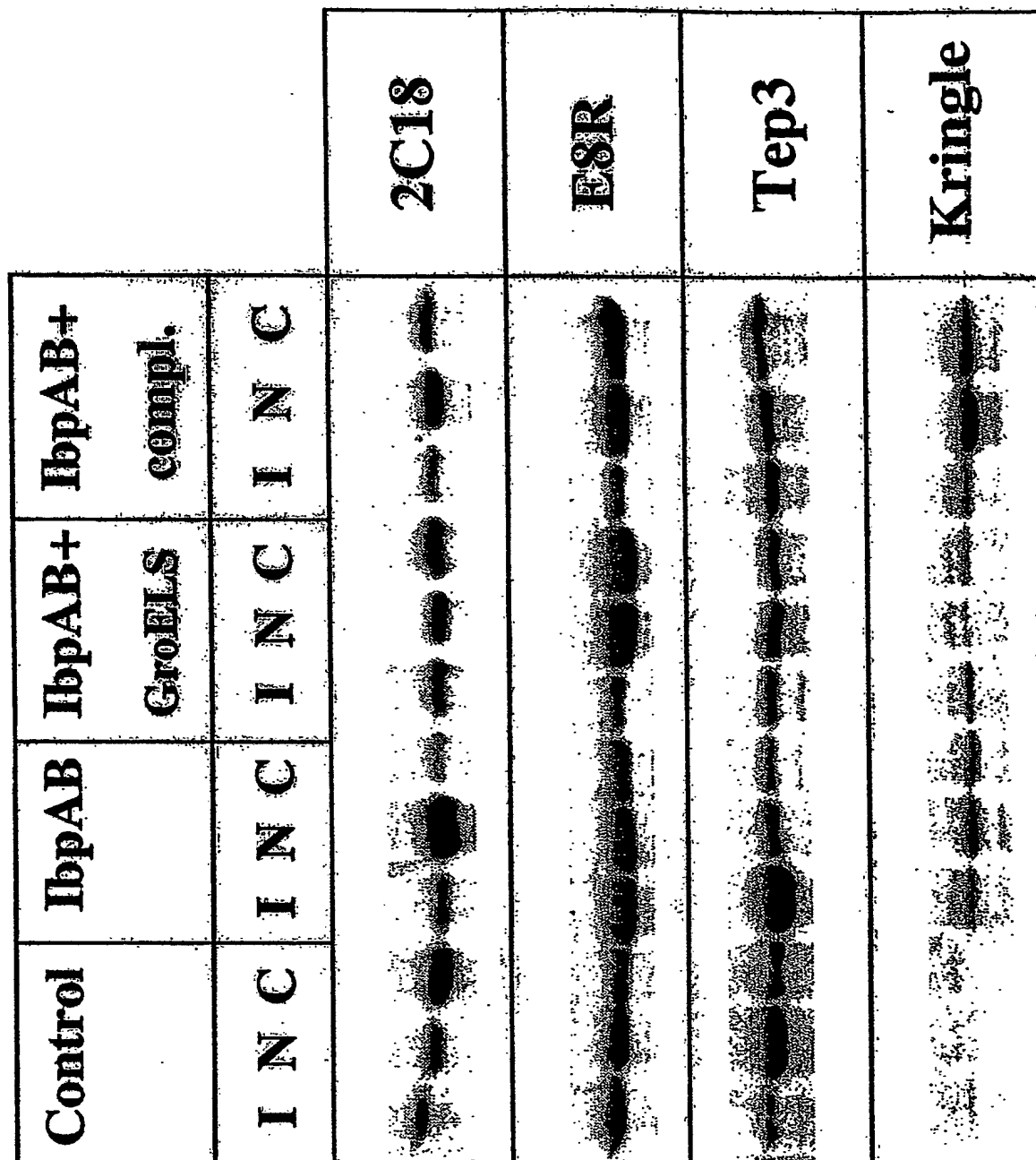
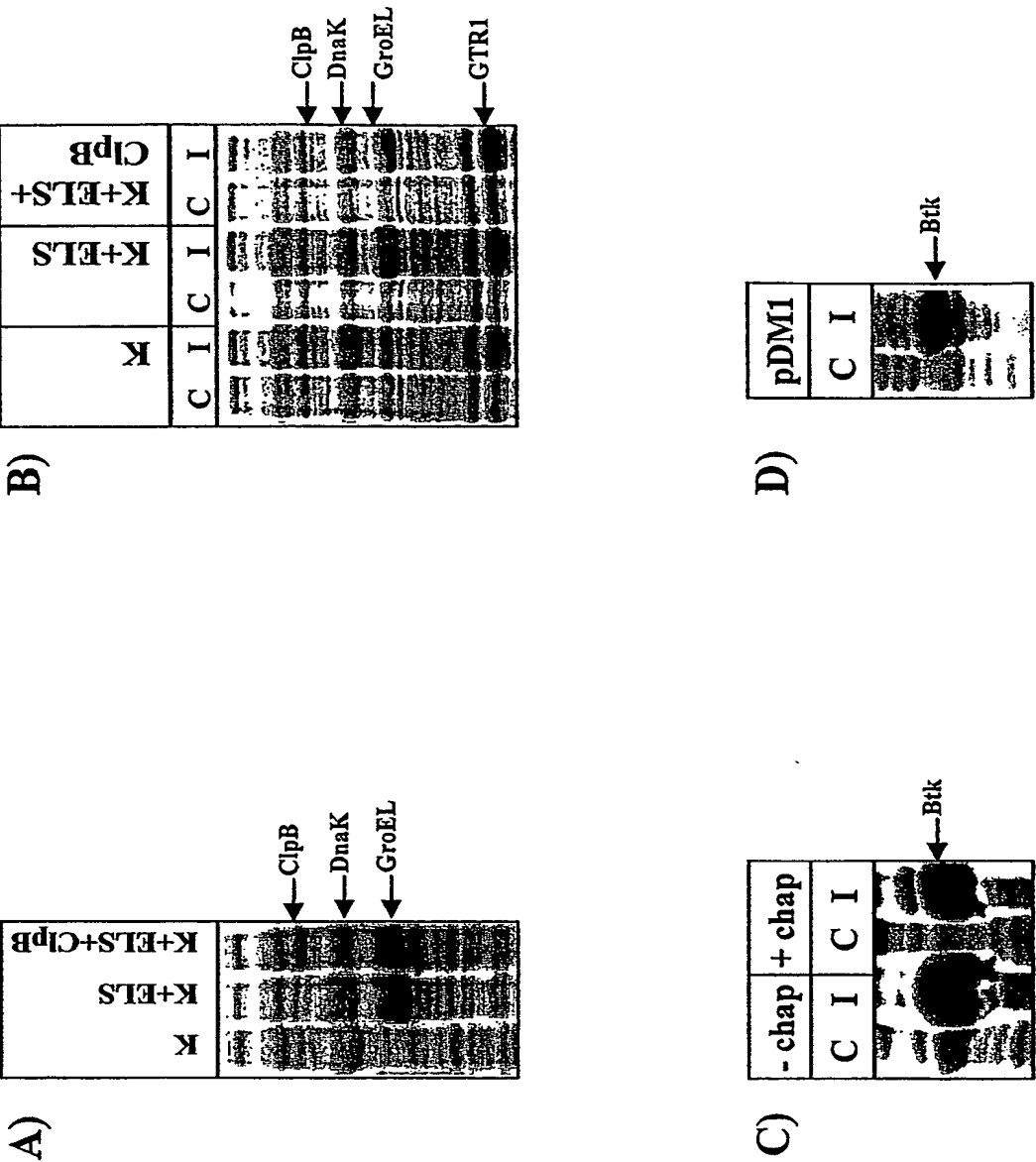


FIG. 14



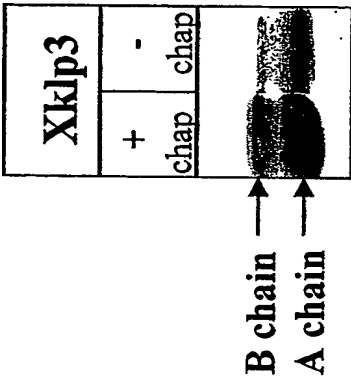
10/500883

Figure 15



10/500883


Figure 16



10/500883


Figure 17

A)


Xklp3A		Control
		K+J+E
		K+J+E+ClpB
		GroELS
		K+J+E+ClpB+GroELS High
		K+J+E+ClpB+GroELS Low

GTR1

C)

Xklp3B		Arab 1.5 mg/mL
		IPTG 0.2 mM/ON/Arab 1.5 mg/mL
		Arab 1.5 mg/mL+IPTG 0.2mM
		Arab/ON/Fr.Md.+Chlor. 2h/30°C
		Arab/ON/Fr.Md.+IPTG 2h/30°C
		Arab/ON/IPTG 2h/30°C

B)

GroEL		GTR1	0.5 mg/mL Arab
			1.5 mg/mL Arab
			0.2 mM IPTG
		GTR1	0.02 mM IPTG+ 0.5 mg/mL Arab
			0.02 mM IPTG/20' / 0.5 mg/mL Arab
			0.2 mM IPTG+ 0.5 mg/mL Arab
			0.2 mM IPTG/20' / 0.5 mg/mL Arab
			0.02 mM IPTG+ 1.5 mg/mL Arab
			0.02 mM IPTG/20' / 1.5 mg/mL Arab
			0.2 mM IPTG+ 1.5 mg/mL Arab
			0.2 mM IPTG/20' / 1.5 mg/mL Arab

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